ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 141 (1998) 469–471

COLLOIDS AND SURFACES A

Contents of Volume 141

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

Vol. 141 No. 1

(Special Issue: The Bob Hunter Honour Issue)

Preface 1
Surface forces between zinc sulfide and silica in aqueous electrolyte
G. Toikka, R.A. Hayes and J. Ralston (The Levels, Australia) 3
Fabrication of nano-sized particles of metallic copper and copper sulfide in Langmuir–Blodgett films
D.J. Elliot, D.N. Furlong (Clayton, Victoria, Australia) and F. Grieser (Parkville, Victoria, Australia) 9
The role of metallic cations on the colloidal stability of tin tailings slurries
C.C. Ho and K.C. Lee (Kuala Lumpur, Malaysia) 19
Investigation of the charge distribution of ellipsoidal particles
C.C. Ho (Bristol, UK/Kuala Lumpur, Malaysia) and R.H. Ottewill (Bristol, UK) 29
Recent developments in the electroacoustic characterisation of colloidal suspensions and emulsions
R.J. Hunter (Sydney, Australia) 37
Changes in the zeta potential of colloidal titanium dioxide after exposure to a radio frequency electric field using a circulating sample
L. Yezek, R.L. Rowell (Amherst, MA, USA), M. Larwa and E. Chibowski (Lublin, Poland) 67
Adsorption kinetics of polymers in membranes: change of layer thickness with solvency
N.J. Marston and B. Vincent (Bristol, UK) 73
Induced structural changes at aliphatic hydrocarbon–graphite interfaces
E.P. Gilbert, P.A. Reynolds and J.W. White (Canberra, Australia) 81
Electro-kinetic measurements on plugs of doped titania
N. Spanos, A. Tsevis, P.G. Koutsoukos (Patras, Greece), M. Minor, A.J. van der Linde and J. Lyklema (Wageningen, The Netherlands) 101
The determination of hydrodynamic size and zeta potential from electrophoretic mobility and light scattering measurements
M.R. Gittings and D.A. Saville (Princeton, NJ, USA) 111
Volume fraction effects in shear rheology and electroacoustic studies of concentrated alumina and kaolin suspensions
S.B. Johnson, A.S. Russell and P.J. Scales (Parkville, Victoria, Australia) 119
Nonionic lactose and lactitol based surfactants: comparison of some physico-chemical properties
C.J. Drummond and D. Wells (Clayton South, Victoria, Australia) 131
Green and red electroluminescence from CdS powder electrodes in aqueous solutions
K. Tanno, M. Ashokkumar, P. Mulvaney and D. Simpson (Parkville, Victoria, Australia) 143
Stability of ground and precipitated $CaCO_3$ suspensions in the presence of polyethylene oxide and kraft lignin
M. Cechova (Paprican/Montreal, Canada), B. Alince (Montreal, Canada) and T.G.M. van de Ven (Paprican/Montreal, Canada) 153

Vol. 141 No. 2

The $R^{4/5}$-problem in the drainage of dimpled thin liquid films
R. Tsekov (Sofia, Bulgaria) 161

Stabilization of aqueous foams by polymer/surfactant systems: effect of surfactant chain length
S.T.A. Regismond, F.M. Winnik (Hamilton, Ont., Canada) and E.D. Goddard (Haworth, NJ, USA) 165
Interaction of some alkali metal citrates with hydroxyapatite. Ion-exchange adsorption and role of charge balance
D.N. Misra (Gaithersburg, MD, USA) 173
Study of copper complexes adsorbed on a silica gel surface chemically modified with 2-amino-1,3,4-thiadiazole
N.L.D. Filho (Ilha Solteira, Brazil), Y. Gushikem (Campinas, Brazil), D.W. Franco, M.S. Schultz and L.C.G. Vasconcellos (São Carlos, Brazil) 181
A graphical technique for calculating adsorption/desorption isotherms for different solid/liquid ratios
S. Shrotri, C.C. Harris, L. Huang and P. Somasundaran (New York, NY, USA) 189
Electrokinetic behavior of selected alkali and alkaline-earth fluoride salts in organic solvents
Y. Hu, S. Veeramasuneni and J.D. Miller (Salt Lake City, UT, USA) 193
Viscoelastic characterization of three different sol–gel derived silica gels
M. Jokinen, E. Györvary and J.B. Rosenholm (Turku, Finland) 205
Low-temperature microemulsions for the in situ extraction of contaminants from soil
F. Dierkes, F.-H. Haegel and M.J. Schwuger (Jülich, Germany) 217
Characterization of phosphated zirconia by XRD, Raman and IR spectroscopy
G.A.H. Mekhemer (El-Minia, Egypt) 227
Colloid aggregation: numerical solution and measurements
K.H. Gardner (Cleveland, OH, USA), T.L. Theis and T.C. Young (New York, NY, USA) 237
Hydrodynamic processes in dynamic bubble pressure experiments. Part 3. Oscillatory and aperiodic modes of pressure variation in the capillary
S.S. Dukhin, V.I. Koval'chuk (Kiev, Ukraine), V.B. Fainerman (Berlin-Adlershof, Germany/Donetsk, Ukraine) and R. Miller (Donetsk, Ukraine) 253
Investigation of reversible Brownian flocculation and intradoublet coalescence in o/w emulsions by means of video enhanced microscopy
Ø. Holt, Ø. Sæther, J. Sjöblom (Bergen, Norway), S.S. Dukhin and N.A. Mishchuk (Kiev, Ukraine) 269

Vol. 141 No. 3

(*Special Issue: The 7th Conference on Colloid Chemistry in memorium to A. Buzágh*)

Thermodynamic stability in disperse systems
D. Everett (Bristol, UK) 279
Towards zero-perturbation methods for investigating biomolecular interactions
J.J. Ramsden (Basel, Switzerland) 287
Energetic interactions in phase and molecular level pore characterisation in nano-range
G. Horvath (Veszprem, Hungary) 295
Variable thickness of the liquid sorption layers on solid surfaces
F. Berger and I. Dékány (Szeged, Hungary) 305
Adsorption of salicylate on alumina surfaces
M. Szekeres, E. Tombácz, K. Ferencz and I. Dékány (Szeged, Hungary) 319
Adsorption of dodecyl pyridinium chloride on monodisperse porous silica
M. Szekeres, I. Dékány (Szeged, Hungary) and A. de Keizer (Wageningen, Netherlands) 327
Interfacial electrochemistry of colloid-modified electrodes
P. Joo (Debrecen, Hungary) 337
Sorption experiments of Cr(III) onto silica
K. Csobán, M. Párkányi-Berka, P. Joó (Debrecen, Hungary) and P. Behra (Strasbourg, France) 347
Transport processes in clay and humate treated clay layers: an electrochemical and radioabsorption survey
P. Joo and K. Antal (Debrecen, Hungary) 365
Surface modification of clay minerals by organic polyions
E. Tombácz, M. Szekeres, L. Baranyi (Szeged, Hungary) and E. Michéli (Gödöllő, Hungary) 379
Chemical immobilisation of humic acid on silica
L.K. Koopal, Y. Yang, A.J. Minnaard, P.L.M. Theunissen and W.H. Van Riemsdijk (Wageningen, Netherlands) 385

Microcalorimetric and catalytic investigations of transition metal nanoparticles intercalated in graphite
A. Mastalir, Z. Király, I. Dékány and M. Bartók (Szeged, Hungary) 397
Preparation of semiconductor and transition metal nanoparticles on colloidal solid supports
I. Dékány, L. Turi, A. Szücs and Z. Király (Szeged, Hungary) 405
Characterization and features of competitive polymer adsorption on colloidal dispersions
F. Csempesz, M. Nagy and S. Rohrsetzer (Budapest, Hungary) 419
Diffusion of chromium ions in polymer/silicate gels
I. Lakatos and J. Lakatos-Szabó (Miskolc-Egyetemváros, Hungary) 425
Molecular characteristics of maltodextrins and rheological behaviour of diluted and concentrated solutions
P. Dokic, J. Jakovljevic and L. Dokic-Baucal (Novi Sad, Minor Yugoslavia) 435
Prehistory in the pretransition range of dipalmitoylphosphatidylcholine/water system
A. Bóta and M. Kriechbaum (Graz, Austria) 441
Aspects of mechanochemical activation in terms of comminution theory
A.Z. Juhász (Veszprém, Hungary) 449

Author Index 463
Subject Index 465
Volume contents 469